**SECTION** **07 18 19 - THERMOPLASTIC MEMBRANE DECK WATERPROOFING**

 GENERAL

 ADMINISTRATIVE REQUIREMENTS

 Pre-Installation Conference:

 Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder] installer, and related trades.

 Review: Project conditions, manufacturer requirements, delivery, storage, staging and sequencing, and protection of completed work.

 SUBMITTALS

 Action Submittals:

 Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.

 Product Data: Manufacturer’s descriptive data and product attributes.

 Samples: [Selection samples.] [Verification samples, illustrating seaming technique.]

 Informational Submittals:

* + - 1. Installer qualifications, including list of previous projects.
			2. Manufacturer’s letter of acceptance for accessories.

 Closeout Submittals:

 Maintenance Data.

 QUALITY ASSURANCE

 Installer Qualifications:

 Minimum [2] [\_\_] years’ documented experience in work of this Section.

 Approved by waterproofing manufacturer.

 Mockup: Minimum [8 x 8 [\_\_ x \_\_] feet. Include one sheet seam.

 WARRANTIES

* + 1. Manufacturer’s [10] [20] year limited warranty against manufacturing defects resulting in water infiltration.
		2. Installer’s [2] [\_\_] year warranty against water leakage through [deck] [roof] system.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by Dec-Tec, [www.dec-tec.com](http://www.dec-tec.com).

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MATERIALS

 Waterproofing Membrane:

* + - 1. Source: Dec-Tec [Classic Line.] [CoolStep Line.]
			2. Description: Plasticized polyvinyl chloride (PVC), solid backed sheet with embedded fiberglass reinforcing, ultraviolet stabilized, antimicrobial treated.
			3. Meet ASTM D4434 and CAN/CGSB-37.54.
			4. Nominal thickness: [60 mils (1.5 mm).] [80 mils (2.0 mm).]
			5. Fire classification, tested to ASTM E108 with ¼ in 12 maximum slope:
				1. Class A on noncombustible deck.
				2. Class A on combustible deck with noncombustible substrate.
				3. Class C on combustible deck.
			6. Color: [Brick.] [Granite.] [Bronze.] [Solid Gray.] [Beige.] [Grafton.] [Ashdown.] [Rowan.] [Harland.] [To be selected from manufacturer’s full color range.]

\*\*\*\* OR \*\*\*\*

* + - 1. Color: [CoolStep.] [CoolStep Copper.] [CoolStep Slate.] [CoolStep Sandalwood.]

 ACCESSORIES

* + 1. Drip Edge: Dec-Clad Drip Edge; PVC coated [0.022 inch thick G90 galvanized steel sheet,] [0.040 thick aluminum sheet,] color to match waterproofing membrane.
		2. Membrane Termination: Dec-Clad Kickout; PVC coated [0.022 inch thick G90 galvanized steel sheet,] [0.040 thick aluminum sheet,] color to match waterproofing membrane.
		3. Prefabricated Membrane Flashings: Dec-Flash; color to match waterproofing membrane.
		4. Metal Flashings: Dec-Clad Metal; PVC coated [0.022 inch thick G90 galvanized steel sheet,] [0.040 thick aluminum sheet,] color to match waterproofing membrane.
		5. Scuppers: Dec-Scupper; spun aluminum with PVC-coated, heat weldable flange, [1-7/8] [2] [3] inch diameter.
		6. Drain Fittings: Dec-Drain NDR 4-1; spun aluminum with PVC-coated, heat-weldable flange.
		7. Filler Material: Dec-Patch II; polymer modified, fiber reinforced, cement-based.
		8. Adhesives and Sealants: Types approved by waterproofing manufacturer.

 EXECUTION

 PREPARATION

 Prepare surfaces in accordance with manufacturer’s instructions.

 INSTALLATION

 Install deck waterproofing system in accordance with manufacturer's instructions and approved Shop Drawings.

END OF SECTION